

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/039987A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K31/4436 A61K31/203 A61P27/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, EMBASE, CHEM ABS Data, BIOSIS, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 824 685 A (CAMPOCHIARO ET AL) 20 October 1998 (1998-10-20) abstract column 3, line 48 - column 6, line 49; examples 8-11; tables 6-10 -----	1-5, 11, 12, 15
X	WO 96/11686 A (ALLERGAN, INC) 25 April 1996 (1996-04-25) abstract page 6, paragraph 3 - page 7, paragraph 5; claims 1,4,15; example 6 -----	1-11
X	US 5 919 970 A (SONG ET AL) 6 July 1999 (1999-07-06) abstract column 4, line 62 - column 5, line 4; table 2 ----- -/--	1, 11

☒ Further documents are listed in the continuation of box C☒ Patent family members are listed in annex

* Special categories of cited documents.

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- *X* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

24 May 2005

Date of mailing of the international search report

01/06/2005

Name and mailing address of the ISA

European Patent Office, P B 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

A. Jakobs

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	<p>SCHOENFELD C-L: "HEMMUNG DER PROLIFERATION RETINALEN PIGMENTEPITHELIS IN VITRO VITAMIN A-PHARMAKODYNAMIK I INHIBITION OF PROLIFERATION OF RETINAL PIGMENT EPITHELIUM IN VITRO: VITAMIN A PHARMACODYNAMICS I" OPHTHALMOLOGE, SPRINGER, BERLIN,, DE, vol. 97, no. 1, 2000, pages 5-11, XP008046778 ISSN: 0941-293X the whole document</p>	1,11
E	<p>WO 2005/011741 A (ALLERGAN, INC; HUGHES, PATRICK, M; OLEJNIK, CREST) 10 February 2005 (2005-02-10) abstract page 3, line 30 - page 4, line 29 page 6, line 15 - page 8, line 17 page 10, line 2 - page 11, line 10; claims 1,7,8,13,17; table 1</p>	1-16
A	<p>GRONDONA J M ET AL: "Retinal dysplasia and degeneration in RARbeta2/RARgamma2 compound mutant mice." DEVELOPMENT (CAMBRIDGE, ENGLAND) JUL 1996, vol. 122, no. 7, July 1996 (1996-07), pages 2173-2188, XP008046801 ISSN: 0950-1991 the whole document</p>	1-16
A	<p>MORI M ET AL: "Systematic immunolocalization of retinoid receptors in developing and adult mouse eyes" INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE 2001 UNITED STATES, vol. 42, no. 6, 2001, pages 1312-1318, XP008046773 ISSN: 0146-0404 the whole document</p>	1-16
A	<p>WO 99/07418 A (ALLERGAN SALES, INC) 18 February 1999 (1999-02-18) the whole document</p>	1-16

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2004/039987

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 1-16 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/039987

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5824685	A	20-10-1998	AT 291915 T	15-04-2005
			AU 4707096 A	21-08-1996
			CA 2209303 A1	08-08-1996
			DE 69634532 D1	04-05-2005
			EP 0804194 A1	05-11-1997
			JP 11503998 T	06-04-1999
			WO 9623498 A1	08-08-1996
			US 6071924 A	06-06-2000
			US 6372753 B1	16-04-2002
			US 6075032 A	13-06-2000
			US 2002128291 A1	12-09-2002
WO 9611686	A	25-04-1996	US 5602130 A	11-02-1997
			AU 709944 B2	09-09-1999
			AU 3735995 A	06-05-1996
			DE 69533484 D1	14-10-2004
			EP 0785782 A1	30-07-1997
			ES 2227559 T3	01-04-2005
			WO 9611686 A1	25-04-1996
US 5919970	A	06-07-1999	US 2003109687 A1	12-06-2003
			US 6187950 B1	13-02-2001
			US 6455701 B1	24-09-2002
WO 2005011741	A	10-02-2005	US 2005009910 A1	13-01-2005
			WO 2005011741 A2	10-02-2005
WO 9907418	A	18-02-1999	AU 738338 B2	13-09-2001
			AU 8777798 A	01-03-1999
			CA 2300154 A1	18-02-1999
			DE 69827138 D1	25-11-2004
			EP 1003569 A2	31-05-2000
			JP 2001513369 T	04-09-2001
			WO 9907418 A2	18-02-1999
			US 6074661 A	13-06-2000
			US 6110485 A	29-08-2000
			US 2003185875 A1	02-10-2003
			US 6306426 B1	23-10-2001
			US 2004219187 A1	04-11-2004
			US 6455062 B1	24-09-2002
			US 2002022047 A1	21-02-2002